

Figure III-26. Length-frequencies for steelhead from riffles, flatwater, and pools, Mark West Creek (Lower B2 Channel), 2000. n = number of fish sampled. The number of habitat units sampled for each habitat type are indicated.

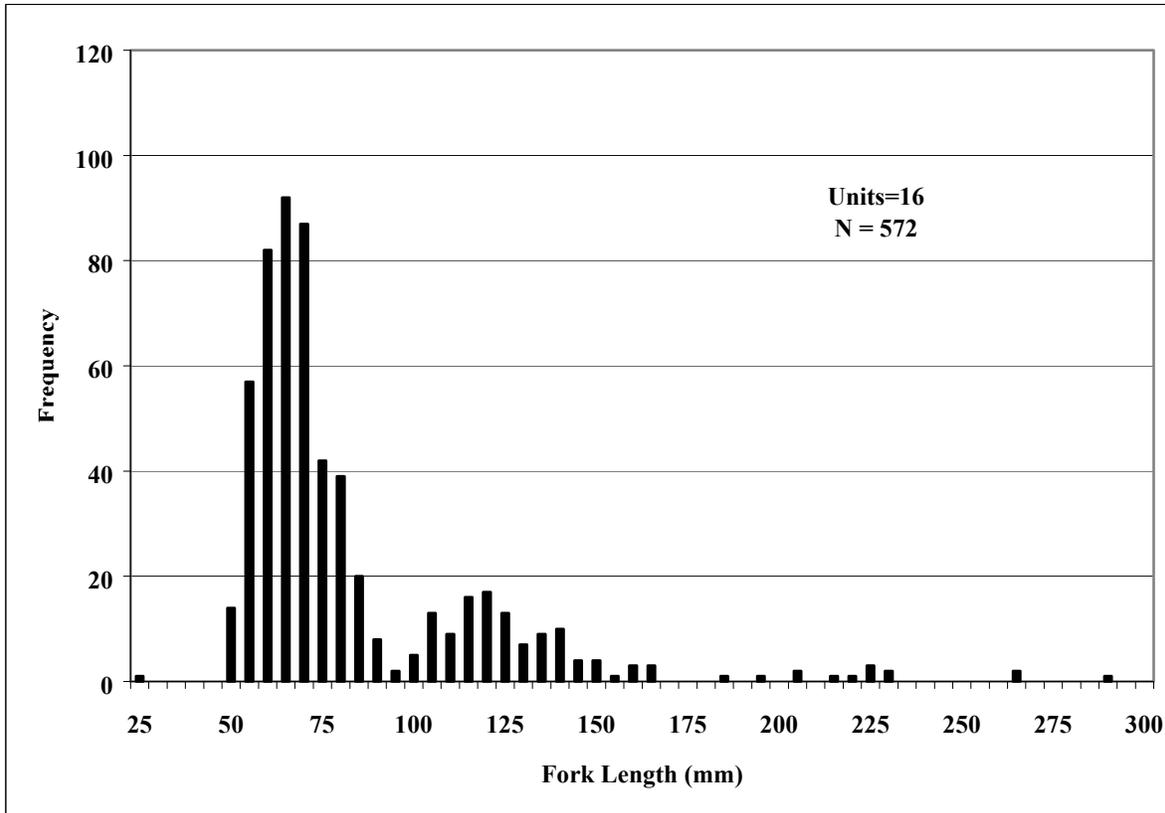


Figure III-27. Length-frequency for steelhead, all habitats, Mark West Creek (C4 Channel), 2000. N = number of fish sampled.

Table III-14. Age class comparison for steelhead, Mark West Creek (C4 Channel), 2000. Range in lengths determined by scale and length-frequency histogram analysis. n = number of fish sampled.

Age	Range in Length (mm)	Average Size (mm)	Standard Dev.	n
0+	25 - 100	68.9	9.6	445
1+	101 - 155	124.3	13.2	106
2+	156 - 200	170.0	13.7	9
3+ or older	201 - 290	234.8	26.2	12

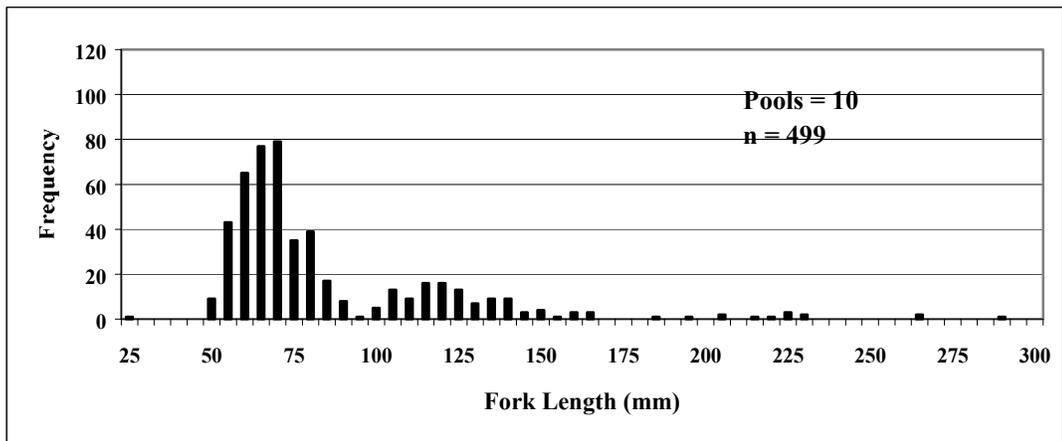
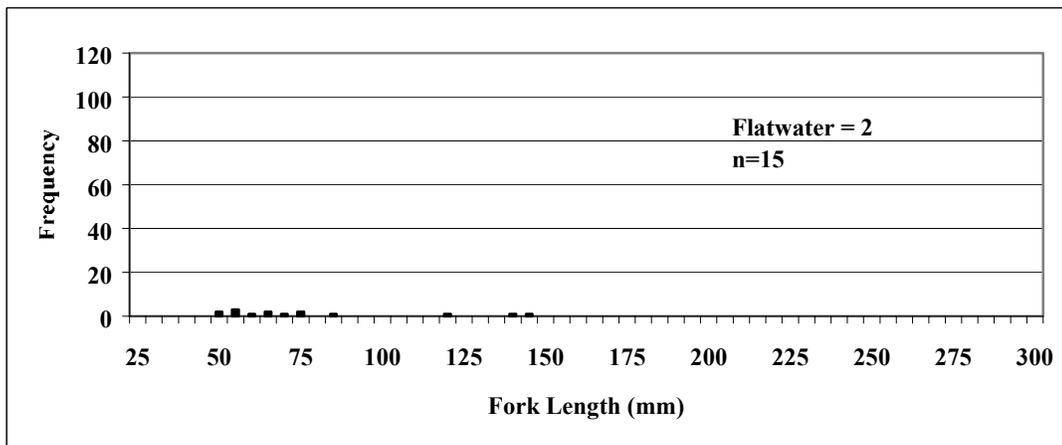
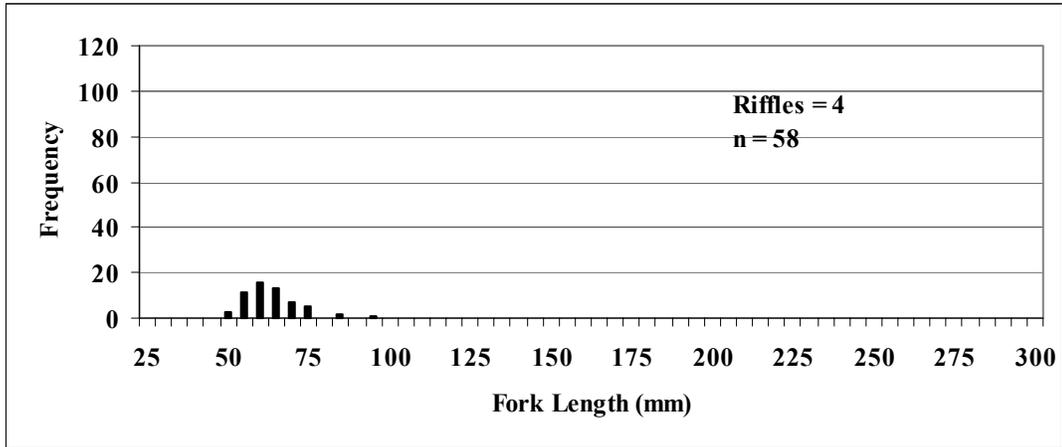


Figure III-28. Length-frequencies for steelhead from riffles, flatwater, and pools, Mark West Creek (C4 Channel), 2000. n = number of fish sampled. The number of habitat units sampled for each habitat type are indicated.

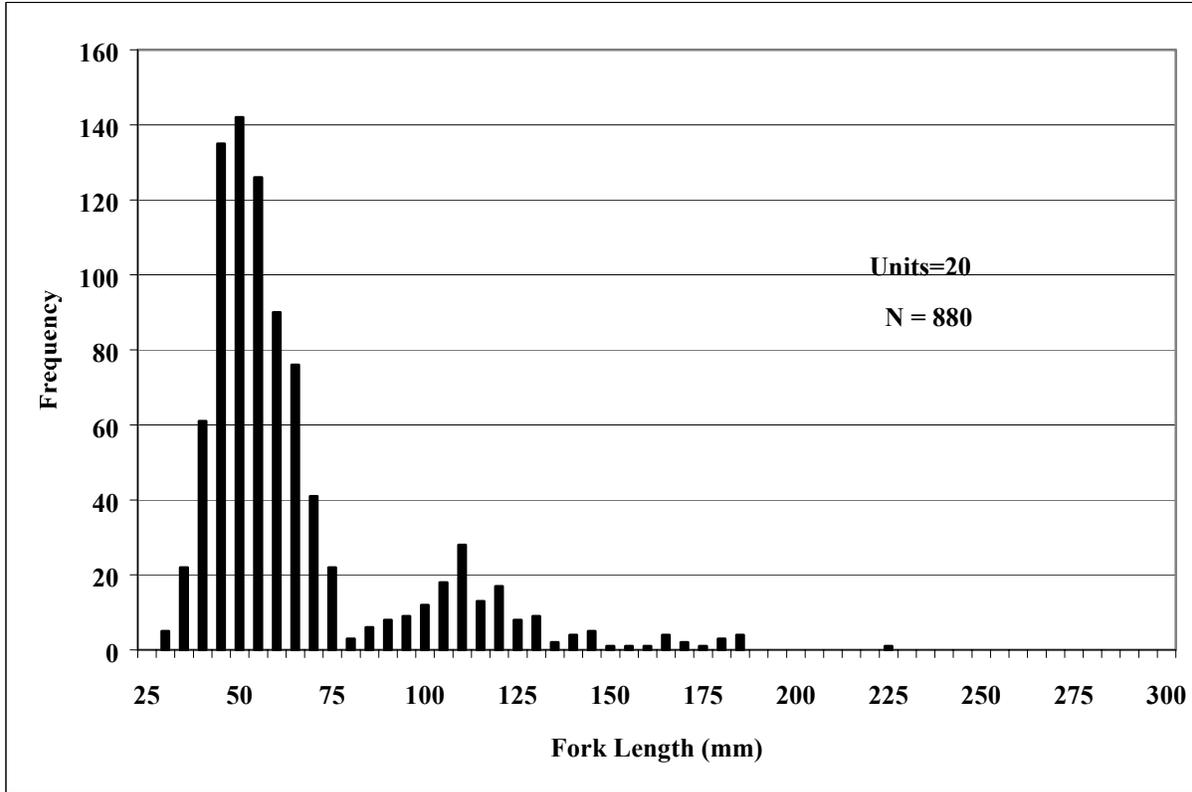


Figure III-29. Length-frequency for steelhead, all habitats, Mark West Creek (Upper B2 Channel), 2000. N = number of fish sampled.

Table III-15. Age class comparison for steelhead, Mark West Creek (Upper B2 Channel), 2000. Range in lengths determined by scale and length-frequency histogram analysis. n = number of fish sampled.

Age	Range in Length (mm)	Average Size (mm)	Standard Dev.	n
0+	31 - 94	56.1	10.7	737
1+	95 - 160	116.6	13.5	127
2+ or older	161 - 228	179.6	15.3	16

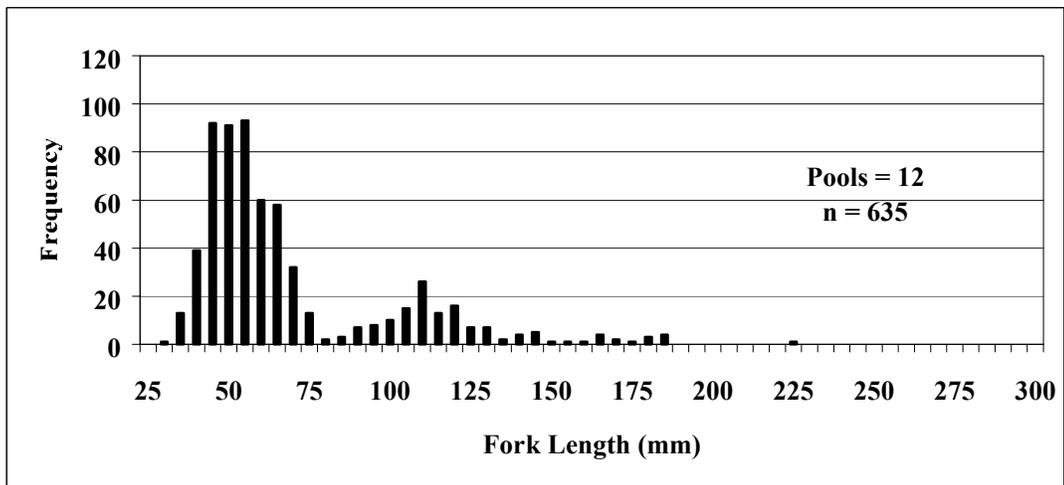
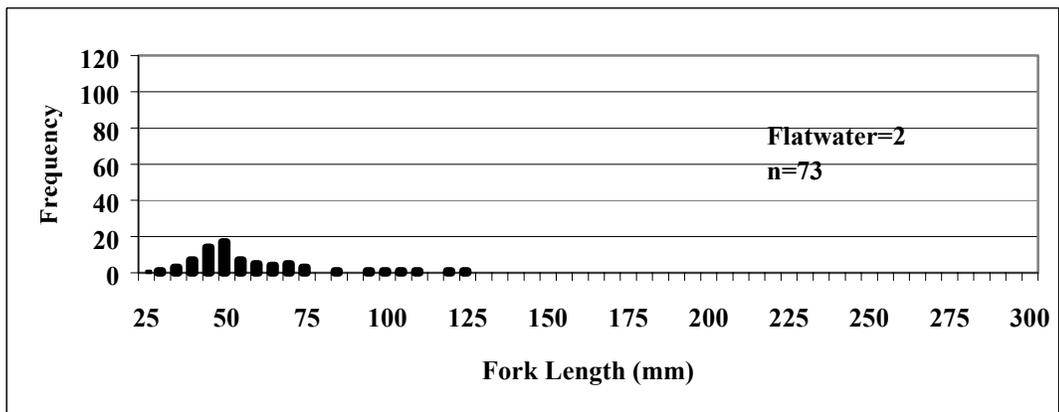
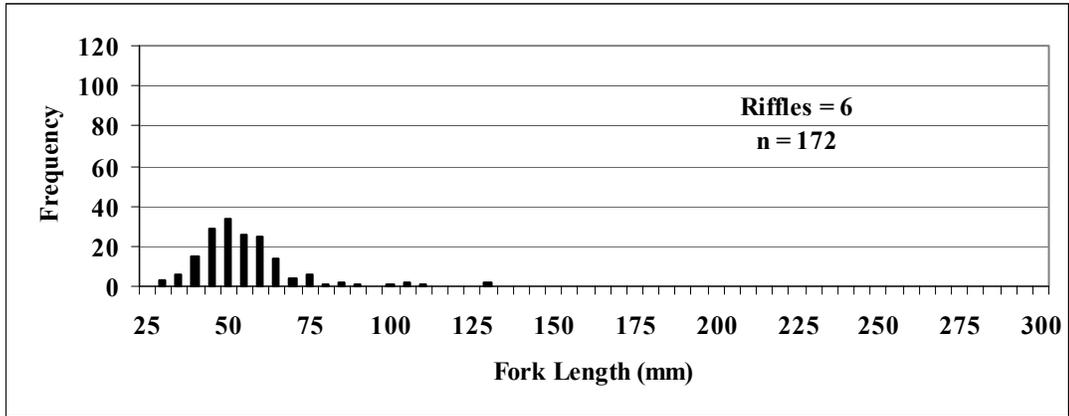


Figure III-30. Length-frequencies for steelhead from riffles, flatwater, and pools, Mark West Creek (Upper B2 Channel), 2000. n = number of fish sampled. The number of habitat units sampled for each habitat type are indicated.

IV. SHEEPHOUSE CREEK SNORKEL SURVEYS

- Table IV-1: Habitat characteristics of Sheephouse Creek during snorkel surveys, 2000.
- Table IV-2: Total snorkel counts and population estimates for juvenile steelhead, Sheephouse Creek, 2000.

Table IV-1. Habitat characteristics of Sheephouse Creek during snorkel surveys, 2000.

Habitat Type	Number of Units	Total Length (m)	Proportion of Reach Length (%)	Mean Length (m)	Mean Width (m)	Total Area (m ²)	Mean Area (m ²)	Mean Max Depth (m)
Pool	157	1,922	57	12.2 (6.3)	2.5 (1.2)	4,841	22 (57)	0.50 (0.25)
Riffle	78	589	18	7.6 (5.0)	1.1 (0.6)	2,214	28 (30)	0.08 (0.12)
Flatwater	27	278	8	10.6 (6.6)	1.6 (0.8)	1,473	57 (46)	0.16 (0.06)
Dry	38	560	17	14.8 (20.6)	na	na	na	na
Total	300	3,349		11.2 (9.4)	1.4 (1.5)	8,528	27 (50)	0.34 (0.29)

Table IV-2. Total snorkel counts and population estimates for juvenile steelhead, Sheephouse Creek, 2000. No coho were observed. Standard deviations are in parenthesis.

Steelhead	Total Pools	Number of 1st Phase Pools (n ₁)	Number of 2 nd Phase Pools (n ₂)	Fish Observed on 1 st Pass Dives	Population Estimate	Mean Number per Pool
Age 0	122	122	27	450	680 ± 60	5.6 (3.6)
Age 1 and older	122	122	28	195	280 ± 37	2.3 (1.5)

V. GREEN VALLEY CREEK SNORKEL SURVEYS

Table V-1: Habitat characteristics of upper Green Valley Creek during presence/absence snorkel surveys, 2001.

Table V-2: Juvenile coho salmon and steelhead presence/absence snorkel survey results for Green Valley, 2001.

Table V-1. Habitat characteristics of upper Green Valley Creek during presence/absence snorkel surveys, 2001.

Reach	Habitat Type	Number of Units	Total Length (m)	Proportion of Reach Length (%)	Mean Length (m)	Mean Wetted Width (m)	Total Surface Area (m ²)	Mean Surface Area (m ²)	Mean Max Pool Depth (m)
A	Pool	15	235	63	16.8 (12.5)	2.6 (1.1)	769	55 (70)	0.55 (0.32)
	Riffle	6	72	19	12.0 (13.8)	1.0 (0.9)	122	24 (39)	
	Flatwater	1	14	4	--	1.9	26	--	--
	Dry	4	52	14	12.9 (13.2)	--	--	--	--
	All	26	373		14.9 (12.3)	2.2 (1.2)	916	46 (62)	
B	Pool	32	569	68	17.8 (14.1)	2.5 (0.9)	1688	53 (58)	0.45 (0.30)
	Riffle	9	69	8	7.6 (4.3)	0.9 (1.0)	76	8 (12)	
	Flatwater	1	12	1	--	2.0	24	--	--
	Dry	20	184	22	9.2 (10.7)	--	--	--	--
	All	62	834		13.4 (12.7)	1.5 (1.4)	1788	29 (48)	
C	Pool	42	491	47	12.0 (7.3)	2.7 (1.0)	1417	35 (27)	0.42 (0.27)
	Riffle	6	20	2	3.3 (1.5)	< 0.1	n.a.	n.a.	
	Flatwater	2	17	2	8.2 (3.9)	2.1 (0.1)	34	17 (7)	
	Dry	32	495	47	15.5 (17.2)	--	--	--	--
	Cascade	2	30	3	14.9 (13.4)	0.15 (0.2)	7	4 (5)	
	All	84	1,053		12.7 (12.3)	1.4 (1.5)	1460	18 (26)	
D	Pool	9	87	46	9.6 (8.5)	2.4 (0.9)	246	27 (28)	0.37 (0.2)
	Riffle	0		0	--	--	--	--	--
	Flatwater	0		0	--	--	--	--	--
	Dry	8	101	54	12.7 (8.1)	--	--	--	--
	All	17	188		11.1 (8.2)				
All	Pool	98	1,382	56	15.0 (11.3)	2.6 (0.9)	3969	45 (48)	0.47 (0.28)
	Riffle	21	161	7	7.6 (8.2)	1.0 (0.9)	199	14 (25)	
	Flatwater	4	43	2	10.5 (3.5)	2.0 (0.1)	84	21 (6)	
	Cascade	2	30	1	14.9 (13.4)	0.2 (0.2)	7	4 (5)	
	Dry	58	832	34	12.8 (14.7)	--	--	--	--
	Total	189	2,448		13.2 (12.3)	2.3 (1.1)	4260	38 (46)	

Table V-2. Juvenile coho salmon and steelhead presence/absence snorkel survey results for Green Valley, 2001. Estimated fish number, based on single pass dive counts, are presented for young-of-the-year (age 0) coho and steelhead ages 0 and 1+. Standard deviations are in parenthesis.

Reach	Reach Length Sampled (m)	Pools in Reach	Pools Surveyed	Percent of Pools Surveyed	Coho			Steelhead				
					Total ¹ Pools	Total Age 0	Mean Age 0	Total ¹ Pools	Total Age 0	Mean Age 0	Total Age 1+	Mean Age 1+
A	373	15	6	40%	6	35	6 (10)	6	47	8 (6)	23	4 (3)
B	834	32	16	50%	14	160	10 (10)	16	151	9 (7)	31	2 (2)
C	1,053	42	21	50%	21	227	11 (7)	13	32	2 (2)	24	1 (1.5)
D	188	9	0	0	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Total	2,448	98	43	44%	41	422	10 (9)	35	230	5 (6)	78	2 (2)

¹Total Pools = number of pools with coho or steelhead present.